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Name: Jayna M. Lofgran

Signature: Jayna M. Lofgran Date: July 22, 2004

PATENT

Attorney Docket No. 49493.830034.US1 (0286)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Izmailov et al.

Serial No.: 09/827,432

Filed: April 6, 2001

For: METHOD FOR ALIGNMENT OF DNA  
SEQUENCING DATA TRACES (as amended)

Examiner: Cheyne D. Ly

Art Unit: 1631

**AMENDMENT AND  
RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

In response to the Office Action, dated February 25, 2004, Applicants submit the following amendments and remarks. Applicants also file herewith a Petition for Two-Month Extension of Time, up to July 25, 2004.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Amendment of the Title** is found on page 6 of this paper.

**Amendment of the Abstract** is found on page 6 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.